Docket No.: 04305/0205482-US0

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	nt Application of: omsen et al.	
	on No.: National Phase of 005/000247	Confirmation No.: N/A
Filed: Con	currently Herewith	Art Unit: N/A
For: SI	GMA DELTA MODULATOR	Examiner: Not Yet Assigned
	INFORMATION DISCLOSURE	STATEMENT (IDS)
P.O. Box 1	oner for Patents 1450 a, VA 22313-1450	
Dear Sir:		
be conside	This Information Disclosure Statement is sub it is requested that the information set forth in ered during the pendency of the above-identifi- the filing date of the above-identified appliant.	this statement and in the listed documents fied application, and any other application
(Check on	1. This IDS should be considered, in accordant of the boxes A-D)	ce with 37 C.F.R. 1.97, as it is filed:
xA.	within three months of the filing date of application of within three months of the enabove identified national application	
B.	before the mailing date of a first office action after filing a request for continued ex-	•
□c.	after (A) and (B) above, but before fin Applicants have made the necessary statem	,

(che	ck one of the boxes "i" and "ii" below:)
	i. Counsel states that, upon information and belief, each item of information listed herein was (check one of boxes (a) or (b))
	(a) first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
	(b) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
	 A check for the fee set forth in 1.17(p), presently believed to be \$180, is enclosed.
pe 37 ce	ter (A), (B) and (C) above, but before payment of the issue fee: Applicant titions under 37 C.F.R. 1.97(d) for the consideration of this IDS. Under CFR 1.17(i) a check in the amount of \$180.00 is enclosed. Counsel rtifies that, upon information and belief, each item of information listed rein was
(che	ck one of the boxes "a" and "b" below:)
	(a) first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
	(b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.)

A. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.
B. Document(s) is (are) deemed substantially cumulative to document(s), and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:
< <insert &="" date="" filing="" no.="" serial="">></insert>
Applicant identifies these documents by attaching hereto copies of the forms PTO-892, PTO-1449 and/or PTO/SB/08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Pe 37 CFR 1.98(d), copies of these documents need not be filed in this application.
3. Cite No(s) are not in the English language. In accordance with 1.98(c), Applicant states:
An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application, or English-language abstract (or claim) is enclosed.
The requirement for a concise explanation of the relevance of any foreign language document is satisfied by the attached search report; citation of the documents cited in the search report shall not be construed as an admission that they are or are considered to be, material to patentability of the subject matter claimed herein (See MPEP §609).
A concise explanation of the relevance of document(s) is set forth as follows: [Insert concise explanation of relevance]
A concise explanation of the relevance of document(s) can be found on page(s) of the specification.
A concise explanation of document(s) can be found on the attached sheet.

[A/An _____ Search Report, dated _____, which issued during the prosecution of _____ Application No. _____ which corresponds to the present application.]

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Early and favorable consideration is earnestly solicited.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: September 26, 2006

Respectfully submitted,

Registration No.: 25,351 DARBY & DARBY P.C.

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Substitute for form 1449A/B/PTO				Complete If Known		
				Application Number	Not Yet Assigned	
INFORMATION DISCLOSURE				Filing Date	Concurrently Herewith	
S	STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor .	Henrik Thomsen	
				Art Unii	N/A	
				Examiner Name	Not Yet Assigned	
heet	1	of	1	Attorney Docket Number	04305/0205482-US0	

U.S. PATENT DOCUMENTS						
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
initials*	No.1	Number-Kind Code ² (#known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
	AA*	US-20030067404-A1	06-10-2003	Ruha et al.		
	AB*	US-3,931,596	01-06-1976	Gersho et al.		
	AC*	US-6,642,874	11-04-2003	Lin et at.		
	AD*	US-20020030618-A1	12-03-2002	Cusinato et al.		

FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁶ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. "CITE NO.: Those application(s) which are marked with an aingle saterisk (?) next to the Cite No. are not supplied (under 37 CFR 1.98(e)(2)(iii)) because that application was filed effer June 30, 2003 or is available in the IPV. "Applicant's unique citation designation number (optional). "See Kinds Codes of USPTO Patent Documents at https://www.ipsio.og/ or MPEP 901.04. "Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). "For Japanese patent documents, the indication of the year of the reign of the Emporer must precede the serial number of the patent document." Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark ters if English language Transfetion is attached.

	NON PATENT LITERATURE DOCUMENTS				
		Include name of the author (in CAPITAL LETTERS), title of the erticle (when appropriate), title of the liem (book, magazine, journal, seriat, symposium, catalog, etc.), dete, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
	CA	Aldajani, M.A. et al., "An adaptve structure for sigma delta modulation with Improved dynamic range." Circuits and Systems. 2000. Proceedings of the 43rd IEEE Midwest Symposium on August 8-11, 2000, Piscataway, NJ, USA. IEEE 8 August 2000, pages 390-394.			
	CB	Yu, J et al., "Adaptive Quantisation of One-Bit Sigma-Delta Modulation." IEEE Procedings G. Electronic Circuits and Systems, Institution of Eletrical Engineers, Stevenage, GB. Vol.139, No. 1, 1 February 1992, pages 39-44.			
	СС	Dunn and Sandler, Adaptive sigma-delta modulation for use in DACs, Electronics Letters, 9 May 1996, Vol. 32, No. 10, pages 867-868.			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date	
Examiner Signature	Considered	

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.